


July 15, 1988

TO: File

FROM: Frank Filas, Reclamation Engineer 

RE: Site Inspection, Cricket Mountain Quarry, M/027/006

On July 13, 1988 Holland Shepherd and Frank Filas of the Division and Jerry Mansfield of State Lands toured the above referenced site with Bryan Nielson, Plant Manager. General topics of conversation are detailed below.

1) Vegetation Test Plots: Continental Lime has committed to establishing test plots in order to determine the best seed mix and proper soil amendments. There is little available topsoil at the site and the majority of revegetation will have to be accomplished upon the gray limestone fines that make up the waste pile. Holland outlined the proper manner in which to implement the necessary test plots and agreed to forward his written suggestions and a list of qualified contractors to Continental Lime.

2) Soil Stockpiling: The quarry slopes have little if any salvageable topsoil, and it would not be practical to attempt to save any of this soil prior to mining. The waste dump, however, is located on a flat area at the foot of the quarry. We recommended that the topsoil be salvaged north of this waste dump prior to additional dumping and/or regrading. The soil stockpile should be seeded with the seed mix to be used in the test plots.

3) Waste Dump Slopes and Quarry Highwalls: The approved reclamation plan states that the quarry and waste dump slopes will be reduced to the desired slope. We recommended to Mr. Nielson that the waste dump slopes be reduced to a maximum slope of 3H/1V during reclamation. The quarry High walls are 20 to 40 feet high, composed of solid limestone and appear to be stable. We recommended that Continental Lime request a highwall variance to leave the High walls and that the following reclamation approach be adopted:



- a. Construct a berm of coarse rock above each highwall.
- b. Place a minimum of three feet of the waste fines on the quarry benches.
- c. Revegetate the benches with the seed mix and soil amendments developed from the test plots.

4) Reclamation Bonding: Continental Lime originally bonded for 29 acres of disturbance over a ten year period (i.e., through 1989). The operation now encompasses in excess of 30 acres and the \$38,020 bond appears to be approximately 50 percent low for the current disturbance. Mr. Nielson desires to post a bond to cover the current disturbance plus the projected disturbance for the next ten years. At the current time, the operation is expanding southward onto the state section.

A copy of the surety policy for the mineral's program was given to Mr. Nielson. We will request that Continental Lime submit a new reclamation estimate for the site by January 1, 1988. The estimate should be based on the reclamation scenario outlined above. Revegetation costs should be based on the most costly test plot methodology.

Note: The plant site is located approximately six miles from the quarry and crushing site. The access road is included in the reclamation plan and has to be included in the reclamation estimate, unless written permission is given by State Lands and the BLM to leave the road intact after mining ceases. The plant is considered an off site facility and is not included in the mine and reclamation plan.

jb  
cc: L. Braxton  
W. Hedberg  
H. Shepherd  
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